

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): A method for providing device type information using a Fibre Channel network, comprising the operations of:

obtaining device type information for a device coupled to a Fibre Channel based network;

constructing an address database having a device entry for the device, wherein the device entry includes a port target identifier and a logical unit identifier, and wherein the device entry associates the device type information with the port target identifier and the logical unit identifier and associates an Arbitrated Loop Physical Address (AL PA) with the port target identifier and the logical unit identifier;

receiving a request for the device type information, wherein the request includes the port target identifier and the logical unit identifier; and

returning the device type information associated with the port target identifier and the logical unit identifier,

wherein the address database facilitates translation of operating system independent commands received by a Fibre Channel wrapper module into Fibre Channel commands usable by a Fibre Channel layer module that is in communication with a Fibre Channel controller.

Claim 2 (canceled)

Claim 3 (currently amended): A method as recited in claim 2 1, further comprising the operation of returning the AL_PA associated with the port target identifier and the logical unit identifier in response to the request.

Claim 4 (original): A method as recited in claim 1, wherein the request is in the form of a SCSI based Protocol Auto Configuration (PAC) command.

C
Claim 5 (original): A method as recited in claim 1, wherein the request is in the form of a SCSI based Probe command.

Claim 6 (original): A method as recited in claim 1, further comprising the operation of performing a lookup operation to obtain the device type information associated with the port target identifier and the logical unit identifier utilizing the address database.

Claim 7 (canceled)

Claim 8 (currently amended): A system for providing device type information using a Fibre Channel network, comprising:

a Fibre Channel based network;

a device coupled to the Fibre Channel based network, the device having an associated Arbitrated Loop Physical Address (AL_PA); and

an address database having a device entry for the device, wherein the device entry includes a port target identifier and a logical unit identifier associated with the device, and wherein the device entry associates device type information with the port target identifier and

the logical unit identifier and associates the AL PA with the port target identifier and the logical unit identifier,

wherein the address database facilitates translation of operating system independent commands received by a Fibre Channel wrapper module into Fibre Channel commands usable by a Fibre Channel layer module that is in communication with a Fibre Channel controller.

C1
Claim 9 (canceled)

Claim 10 (original): A system as recited in claim 8, further comprising a Fibre Channel driver having a Fibre Channel Common Hardware Interface (FCHIM).

Claim 11 (original): A system as recited in claim 10, further comprising a SCSI based application in communication with the Fibre Channel driver.

Claim 12 (currently amended): A system as recited in claim 11, wherein the SCSI based application passes a request for device type information to the Fibre Channel driver, the request including the port target identifier and the logical unit identifier.

Claim 13 (currently amended): A system as recited in claim 12, wherein the Fibre Channel driver returns the device type information based on the port target identifier and the logical unit identifier using the address database.

Claim 14 (currently amended): A computer program that provides device type information using a Fibre Channel network, comprising:

a code segment that obtains device type information for a device coupled to a Fibre Channel based network;

a code segment that constructs an address database having a device entry for the device, wherein the device entry includes a port target identifier and a logical unit identifier, and wherein the device entry associates the device type information with the port target identifier and the logical unit identifier and associates an Arbitrated Loop Physical Address (AL PA) with the port target identifier and the logical unit identifier;

a code segment that receives a request for the device type information, wherein the request includes the port target identifier and the logical unit identifier; and


a code segment that returns the device type information associated with the port target identifier and the logical unit identifier,

wherein the address database facilitates translation of operating system independent commands received by a Fibre Channel wrapper module into Fibre Channel commands usable by a Fibre Channel layer module that is in communication with a Fibre Channel controller.

Claim 15 (canceled)

Claim 16 (currently amended): A computer program as recited in claim ~~14~~ 15, further comprising a code segment that returns the AL_PA associated with the port target identifier and the logical unit identifier.

Claim 17 (original): A computer program as recited in claim 14, wherein the request is in the form of a SCSI based Protocol Auto Configuration (PAC) command.

 Claim 18 (original): A computer program as recited in claim 14, wherein the request is in the form of a SCSI based Probe command.

Claim 19 (currently amended): A computer program as recited in claim 14, further comprising a code segment that utilizes the port target identifier and the logical unit identifier to lookup the device type information associated with the port target identifier and the logical unit identifier.

Claim 20 (canceled)
